IN THE CLAIMS:

1. (Cancelled)

2. (Amended) The fuel system of a carburetor as described in ~~Claim 1~~Claim 4, wherein said intake channel has an almost uniform diameter along the entire length and said nozzle orifice is open into said intake channel downstream of said throttle valve.

3. (Cancelled)

4. (Amended) ~~The fuel system of a carburetor as described in Claim 1,~~ A fuel system of a carburetor, comprising a single fuel passage leading from a constant-fuel chamber to a nozzle orifice opened into an intake channel, wherein a fuel adjusting part and a mixing chamber are provided in said fuel passage, said fuel adjusting part adjusts the effective surface area for passing the fuel with a metering needle executing linear reciprocal movement in response to the open-close operation of a throttle valve, bleed air and fuel that passed through said fuel adjusting part are introduced into said mixing chamber which has a volume sufficient to absorb and cause the relaxation of changes of the negative pressure acting on said nozzle orifice, a mixture of fuel and bleed air produced in said mixing chamber is discharged from said nozzle orifice into said intake channel, wherein a fuel nozzle provided with a metering hole in a wall of a tube having a through hole linked to said constant-fuel chamber and a discharge flange is fitted and disposed in a retaining hole by positioning said discharge flange in almost the same plane with the surface of said intake channel, said metering needle extends in

the direction crossing said intake channel inside therein, penetrates into said through hole and forms said fuel adjusting part together with said metering hole, said mixing chamber is provided around said tube, and said nozzle orifice is formed by a ring-~~like~~shaped gap provided on the periphery of said discharge flange.

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Amended) The fuel system of ~~Claim 8~~Claim 13, wherein the intake channel has an almost uniform diameter along the entire length and the nozzle orifice is open into the intake channel downstream of a throttle valve.

10. (Amended) The fuel system of ~~claim 8~~Claim 13, wherein the fuel adjusting part comprises a metering needle linearly and reciprocally movable in response to the open-close operation of a throttle valve.

11. (Amended) The fuel system of ~~claim 8~~Claim 13, wherein the mixing chamber has a volume sufficient to absorb and cause the relaxation of changes of the negative pressure acting on said nozzle orifice.

12. (Amended) The fuel system of ~~claim 8~~Claim 13, further comprising a bleed air passage coupled to the mixing chamber.

13. (Amended) ~~The fuel system of Claim 8~~ A fuel system of a carburetor, comprising

a fuel nozzle including a tube and a discharge flange with an aperture forming a nozzle orifice opened into an intake channel,

a fuel passage leading from a constant-fuel chamber to the ~~nozzel~~nozzle orifice,

a fuel adjusting part provided in the fuel passage, and

a mixing chamber provided in the fuel passage to receive bleed air and fuel that passed through said fuel adjusting part,

wherein the fuel nozzle comprises a metering hole in a wall of a tube having a through hole linked to the constant-fuel chamber and wherein the discharge flange is fitted and disposed in a retaining hole by positioning the discharge flange in almost the same plane with the surface of said intake channel, ~~the~~ a metering needle extends across the intake channel and penetrates into the through hole and forms the fuel adjusting part together with the metering hole, the mixing chamber is provided around the tube.

14. (Cancelled)

15. (Cancelled)

16. (Amended) The fuel system of ~~Claim 8~~ Claim 13 wherein the aperture comprises a ~~ring-like~~ ring-shaped gap.